

Motor Vehicle Steering and Suspension Components (Except Spring) Manufacturing: 2002

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2002 Economic Census

Manufacturing

Industry Series



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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
336330, Motor vehicle steering and suspension component (except spring) manufacturing											
2002..	196	236	41 737	2 048 101	33 251	68 897	1 490 866	4 937 666	5 518 049	10 438 378	403 350
2001..	N	N	47 015	2 207 265	38 239	78 959	1 629 585	4 591 148	5 424 084	10 043 770	539 158
2000..	N	N	50 972	2 505 777	41 706	87 090	1 918 992	5 332 413	5 896 470	11 239 734	482 102
1999..	N	N	48 747	2 508 828	40 494	90 127	1 972 590	5 645 636	5 701 018	11 316 314	553 155
1998..	N	N	47 682	2 269 812	39 120	85 533	1 776 050	5 117 585	5 423 741	10 589 773	583 414
1997..	183	211	48 676	2 341 273	40 079	86 039	1 819 005	5 234 835	5 424 087	10 632 673	551 299

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
336330, Motor vehicle steering and suspension component (except spring) manufacturing												
United States	—	236	129	41 737	2 048 101	33 251	68 897	1 490 866	4 937 666	5 518 049	10 438 378	'403 350
California	3	30	9	460	20 864	366	653	15 144	46 901	48 797	94 752	'2 296
Georgia	—	6	4	1 065	37 056	908	2 064	29 453	69 809	176 098	239 993	'3 819
Indiana	—	24	21	7 635	427 052	6 506	14 417	358 696	922 502	1 212 696	2 143 854	'99 520
Kentucky	—	8	7	2 296	98 985	1 479	3 247	53 290	210 412	445 826	652 214	'37 655
Michigan	—	29	17	9 220	617 820	6 753	13 804	399 122	1 219 162	1 249 809	2 472 291	'46 451
Missouri	1	11	5	912	29 245	760	1 549	21 864	63 028	62 375	129 817	'2 366
New York	—	7	5	294	8 717	202	355	5 023	17 665	25 693	42 163	'2 431
Ohio	—	23	19	5 958	228 336	4 920	9 644	165 174	792 412	731 497	1 520 875	'81 620
Tennessee	—	12	9	4 159	157 746	3 143	5 942	104 726	503 871	609 019	1 116 071	'45 760

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
336330, Motor vehicle steering and suspension component (except spring) manufacturing	
Companies ¹	196
All establishments ²	236
Establishments with 1 to 19 employees	107
Establishments with 20 to 99 employees	55
Establishments with 100 employees or more	74
All employees ³	41 737
Total compensation	2 827 932
Annual payroll	2 048 101
Total fringe benefits	779 831
Production workers, average for year	33 251
Production workers on March 12	33 073
Production workers on May 12	33 752
Production workers on August 12	33 318
Production workers on November 12	32 824
Production worker hours	68 897
Production worker wages	1 490 866
Total cost of materials	5 518 049
Materials, parts, containers, packaging, etc., used	5 253 407
Resales	67 858
Purchased fuels	25 552
Purchased electricity	84 686
Contract work	86 546
Quantity of electricity purchased for heat and power	1 841 879
Quantity of electricity generated less sold for heat and power	—
Total value of shipments	10 438 378
Primary products value of shipments	9 231 028
Secondary products value of shipments	1 113 348
Total miscellaneous receipts	94 002
Value of resales	80 560
Contract receipts	D
Other miscellaneous receipts	D
Primary products specialization ratio	89
Value of primary products shipments made in all industries	10 590 498
Value of primary products shipments made in this industry	9 231 028
Value of primary products shipments made in other industries	1 359 470
Coverage ratio	87
Value added	4 937 666
Total inventories, beginning of year	667 869
Finished goods inventories	161 175
Work-in-process inventories	168 440
Materials and supplies inventories	338 254
Total inventories, end of year	665 458
Finished goods inventories	178 397
Work-in-process inventories	168 555
Materials and supplies inventories	318 506
Gross value of depreciable assets (acquisition costs) at beginning of year	'5 724 319
Total capital expenditures (new and used)	'403 350
Buildings and other structures (new and used)	'38 694
Machinery and equipment (new and used)	'364 656
Automobiles, trucks, etc., for highway use	'2 422
Computers and peripheral data processing equipment	'8 745
All other expenditures for machinery and equipment	'353 489
Total retirements	'485 653
Gross value of depreciable assets at end of year	'5 642 016
Depreciation charges during year	'374 319
Total rental payments	52 434
Buildings and other structures	22 036
Machinery and equipment	30 398
Total other expenses ⁴	1 264 717
Response coverage ratio ⁵	84
Repair and maintenance services of buildings and/or machinery ⁴	143 965
Communications services ⁴	15 590
Legal services ⁴	7 318
Accounting, auditing, and bookkeeping services ⁴	4 118
Advertising and promotional services ⁴	43 918
Expensed computer hardware and supplies and purchased computer services ⁴	13 341
Refuse removal (including hazardous waste) services ⁴	171 127
Management consulting and administrative services ⁴	52 339
Taxes and license fees ⁴	343 655
All other expenses ⁴	476 968

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on 2002 Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
336330, Motor vehicle steering and suspension component (except spring) manufacturing											
All establishments	—	236	41 737	2 048 101	33 251	68 897	1 490 866	4 937 666	5 518 049	10 438 378	'403 350
Establishments with—											
1 to 4 employees	7	73	127	6 948	104	198	5 110	13 334	16 624	30 629	'731
5 to 9 employees	9	21	138	9 207	113	235	6 961	14 750	19 471	34 221	'990
10 to 19 employees	3	13	187	8 333	136	256	5 693	31 389	16 586	51 721	'3 421
20 to 49 employees	1	33	992	36 094	715	1 411	21 540	95 497	114 341	208 651	'4 825
50 to 99 employees	1	22	1 560	61 124	1 188	2 177	40 244	152 888	184 045	329 158	'12 124
100 to 249 employees	—	31	5 171	191 257	3 792	7 166	120 727	621 047	690 473	1 315 322	'72 069
250 to 499 employees	—	24	8 494	329 834	6 462	13 913	213 340	799 624	1 281 291	2 068 927	'51 596
500 to 999 employees	—	13	8 642	322 202	6 907	13 559	224 626	834 998	1 135 261	1 950 852	'114 983
1,000 to 2,499 employees	—	3	h	D	D	D	D	D	D	D	D
2,500 employees or more	—	3	j	D	D	D	D	D	D	D	D
Administrative records ⁴	9	91	360	22 723	298	601	17 109	36 527	47 738	84 265	'2 603

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
336330	Motor vehicle steering and suspension component (except spring) manufacturing	236	41 737	2 048 101	33 251	68 897	1 490 866	4 937 666	5 518 049	10 438 378	'403 350
3363301	Motor vehicle steering and suspension components, new	112	39 422	1 957 333	31 434	65 921	1 427 874	4 779 768	5 373 302	10 133 043	'392 130
3363303	Motor vehicle steering and suspension components, rebuilt ...	13	1 240	36 234	976	1 546	24 210	83 002	53 652	137 992	'3 649

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. **Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
336330	Motor vehicle steering and suspension component (except spring) manufacturing	2002.. N	X	X	10 590 498
	1997.. N		X	X	9 832 604
3363301	Motor vehicle steering and suspension components, new	2002.. N	X	X	10 267 891
	1997.. N		X	X	9 586 330
33633011	Motor vehicle shock absorbers, new	2002.. N	X	X	830 011
	1997.. N		X	X	838 751
3363301101	Motor vehicle shock absorbers, new	2002.. 25	X	X	830 011
	1997.. 21		X	X	838 751
33633012	Motor vehicle tie rod ends, new	2002.. N	X	X	253 384
	1997.. N		X	X	165 440
3363301204	Motor vehicle tie rod ends, new	2002.. 13	X	X	253 384
	1997.. 14		X	X	165 440
33633013	Motor vehicle steering idler arms, drag links, and control arms, new	2002.. N	X	X	761 186
	1997.. N		X	X	816 799
3363301307	Motor vehicle steering idler arms, drag links, and control arms, new	2002.. 22	X	X	761 186
	1997.. 23		X	X	816 799
33633014	Motor vehicle steering wheels, columns, and gearboxes, new	2002.. N	X	X	2 343 180
	1997.. N		X	X	2 218 943
3363301417	Motor vehicle steering wheels, columns, and gearboxes, new	2002.. 24	X	X	2 343 180
	1997.. 27		X	X	2 218 943
33633015	Other motor vehicle steering and suspension components, including motor vehicle ball joints, new	2002.. N	X	X	6 075 453
	1997.. N		X	X	5 546 397
3363301511	Motor vehicle ball joints, new	2002.. 14	X	X	245 149
	1997.. 13		X	X	269 830
3363301514	Motor vehicle struts, new	2002.. 12	X	X	702 174
	1997.. 13		X	X	685 459
3363301521	Motor vehicle rack and pinion steering gears, new	2002.. 12	X	X	1 284 464
	1997.. 9		X	X	D
3363301524	Motor vehicle integral and manual steering gears, new	2002.. 5	X	X	506 280
	1997.. 4		X	X	D
3363301526	Motor vehicle power steering pumps, new	2002.. 6	X	X	D
	1997.. 11		X	X	D
3363301528	Motor vehicle power steering hose assemblies, new	2002.. 8	X	X	D
	1997.. 9		X	X	238 141
3363301531	Other motor vehicle steering and suspension components, new	2002.. 76	X	X	2 637 350
	1997.. 80		X	X	1 905 781
3363301Y	Motor vehicle steering and suspension components, new, nsk	2002.. N	X	X	4 677
	1997.. N		X	X	—
3363301YVV	Motor vehicle steering and suspension components, new, nsk	2002.. N	X	X	4 677
	1997.. N		X	X	—
3363303	Motor vehicle steering and suspension components, rebuilt	2002.. N	X	X	182 073
	1997.. N		X	X	178 313
33633031	Motor vehicle steering and suspension components, rebuilt	2002.. N	X	X	181 473
	1997.. N		X	X	178 313
3363303101	Motor vehicle power steering pumps, rebuilt	2002.. 11	X	X	76 495
	1997.. 19		X	X	75 334
3363303104	Motor vehicle rack and pinion steering assemblies, rebuilt	2002.. 10	X	X	48 437
	1997.. 18		X	X	58 354
3363303121	Other steering and suspension components, rebuilt	2002.. 13	X	X	56 541
	1997.. 10		X	X	44 625
3363303Y	Motor vehicle steering and suspension components, rebuilt, nsk	2002.. N	X	X	600
	1997.. N		X	X	—
3363303YVV	Motor vehicle steering and suspension components, rebuilt, nsk	2002.. N	X	X	600
	1997.. N		X	X	—
336330W	Motor vehicle steering and suspension component (except spring) manufacturing, nsk, total	2002.. N	X	X	140 534
	1997.. N		X	X	67 961
336330WY	Motor vehicle steering and suspension component (except spring) manufacturing, nsk, total	2002.. N	X	X	140 534
	1997.. N		X	X	67 961
336330WYWW	Motor vehicle steering and suspension component (except spring) manufacturing, nsk, for nonadministrative-record establishments	2002.. N	X	X	61 568
	1997.. N		X	X	5 531
336330WYWY	Motor vehicle steering and suspension component (except spring) manufacturing, nsk, for administrative-record establishments	2002.. N	X	X	78 966
	1997.. N		X	X	62 430

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. Product Class Shipments for Selected States: 2002 and 1997

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3363301	Motor vehicle steering and suspension components, new	
	United States	2002.. 10 267 891
		1997.. 9 586 330
	California	2002.. 66 387
		1997.. 46 368
	Georgia	2002.. 248 004
		1997.. N
	Indiana	2002.. 2 074 795
		1997.. 1 878 282
	Kentucky	2002.. 508 637
		1997.. 210 816
	Michigan	2002.. 2 311 981
		1997.. 2 682 519
	Missouri	2002.. 173 812
		1997.. 243 610
3363303	Motor vehicle steering and suspension components, rebuilt	
	United States	2002.. 182 073
		1997.. 178 313
	Indiana	2002.. 33 410
		1997.. N
	New York	2002.. 4 412
		1997.. N
	Ohio	2002.. 11 802
		1997.. N

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
336330	Motor vehicle steering and suspension component (except spring) manufacturing		
00900001	Total materials .....2002..	X	5 253 407
	.....1997..	X	5 151 048
33151001	Iron and steel castings (rough and semifinished) .....2002..	X	600 937
	.....1997..	X	377 459
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished) .....2002..	X	122 616
	.....1997..	X	287 185
33152003	Other nonferrous metal castings, rough and semifinished (including aluminum and aluminum-base alloy) .....2002..	X	D
	.....1997..	X	D
33120007	Steel bars, bar shapes, and plate (excluding castings, forgings, and fabricated metal products) .....2002..	X	265 741
	.....1997..	X	553 492
33120016	Steel sheet and strip (including tinplate) .....2002..	X	166 729
	.....1997..	X	N
33120033	All other steel shapes and forms (excluding castings, forgings, and fabricated metal products) .....2002..	X	137 666
	.....1997..	X	237 988
33142111	Copper and copper-base alloy shapes and forms (excluding castings, forgings, and fabricated metal products) .....2002..	X	D
	.....1997..	X	D
33100038	Aluminum and aluminum-base alloy shapes and forms (excluding castings, forgings, and fabricated metal products) .....2002..	X	2 599
	.....1997..	X	N
33100082	Other nonferrous metal shapes and forms (excluding aluminum and aluminum-base alloy and copper and copper-base alloy castings, forgings, and fabricated metal products) .....2002..	X	D
	.....1997..	X	N
33299101	Ball and roller bearings (mounted or unmounted) .....2002..	X	124 268
	.....1997..	X	N
32610007	Fabricated plastics products (excluding gaskets, hoses, and belting) .....2002..	X	80 958
	.....1997..	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes .....2002..	X	28 908
	.....1997..	X	33 903
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. ....2002..	X	16 412
	.....1997..	X	34 674
32600017	Fabricated rubber products (excluding tires, tubes, hose, belting, and gaskets) .....2002..	X	144 861
	.....1997..	X	155 647
32622001	Rubber and plastics hose and belting .....2002..	X	28 009
	.....1997..	X	74 154
32500023	Ceramic raw materials (including powders, chemicals, and fibers), excluding refractory uses .....2002..	X	D
	.....1997..	X	D
32700035	Ceramic and ceramic composite parts, components, and accessories .....2002..	X	D
	.....1997..	X	D
33999103	Gaskets (all types), and packing and sealing devices .....2002..	X	37 523
	.....1997..	X	26 421
32551002	Paints, varnishes, stains, lacquers, shellacs, japans, enamels, and allied product .....2002..	X	26 465
	.....1997..	X	N
32552002	Glues and adhesives .....2002..	X	2 356
	.....1997..	X	N
00190003	Flexible packaging materials .....2002..	X	11 596
	.....1997..	X	D
32220015	Paper and paperboard containers .....2002..	X	16 544
	.....1997..	X	38 418
33632205	Ignition coils for internal combustion engines .....2002..	X	D
	.....1997..	X	N
33632206	Ignition harness and cable sets for internal combustion engines .....2002..	X	D
	.....1997..	X	N
33632219	All other engine electrical equipment for internal combustion engines .....2002..	X	D
	.....1997..	X	N
33441300	Semiconductors (including transistors, diodes, rectifiers, and integrated circuits), for electronic circuitry .....2002..	X	D
	.....1997..	X	N
001900D3	All other miscellaneous components and accessories, for electronic circuitry (excluding tubes) .....2002..	X	178 088
	.....1997..	X	N
00999826	Core parts purchased for use in remanufacturing and rebuilding .....2002..	X	213 073
	.....1997..	X	130 276
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products .....2002..	X	105 864
	.....1997..	X	123 850
33200019	Other fabricated metal products (excluding fluid power, forgings, automotive stamping and bolts, nuts, screws, rivets, washers, and screw machine products) .....2002..	X	560 102
	.....1997..	X	397 398
33210000	Forgings .....2002..	X	187 981
	.....1997..	X	N
331000A1	Insulated wire and cable (excluding magnet wire) .....2002..	X	D
	.....1997..	X	N
33100097	Magnet wire .....2002..	X	D
	.....1997..	X	N
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic) .....2002..	X	D
	.....1997..	X	D
33291207	Fluid power valves (hydraulic and pneumatic) .....2002..	X	D
	.....1997..	X	D
33399501	Fluid power cylinders and rotary actuators (hydraulic and pneumatic) .....2002..	X	D
	.....1997..	X	D
33291203	Fluid power hose and tube fittings and assemblies (hydraulic and pneumatic) .....2002..	X	85 160
	.....1997..	X	D
33399901	Fluid power filters (hydraulic and pneumatic) .....2002..	X	385
	.....1997..	X	D
00190087	Other transportation related fluid power products, hydraulic and pneumatic .....2002..	X	1 487
	.....1997..	X	N
33637000	Automotive stampings (including body parts, hubcaps, fenders, etc.) .....2002..	X	129 830
	.....1997..	X	280 490
33593101	Current-carrying wiring devices .....2002..	X	D
	.....1997..	X	N

See footnotes at end of table.

Table 7. Materials Consumed by Kind: 2002 and 1997—Con.

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
336330	Motor vehicle steering and suspension component (except spring) manufacturing—Con.		
32500046	Other chemicals and allied products	X	25 437
	.....2002..	X	N
	.....1997..	X	
00970099	All other materials and components, parts, containers, and supplies.....	X	906 613
	.....2002..	X	1 734 291
	.....1997..	X	
00971000	Materials, ingredients, containers, and supplies, nsk	X	688 098
	.....2002..	X	207 212
	.....1997..	X	

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.